

**FIGURE 1**

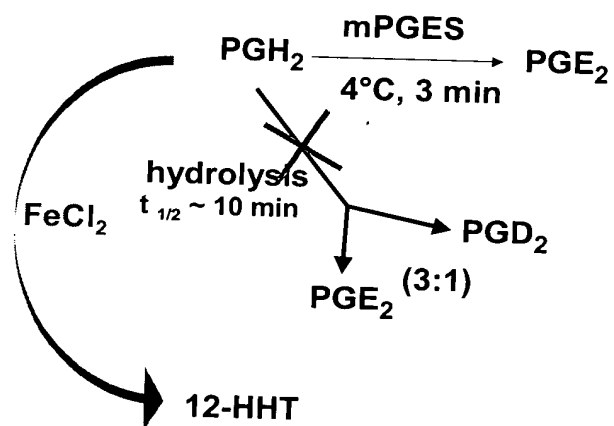


FIGURE 2

# FP Based mPGE Synthase Assay

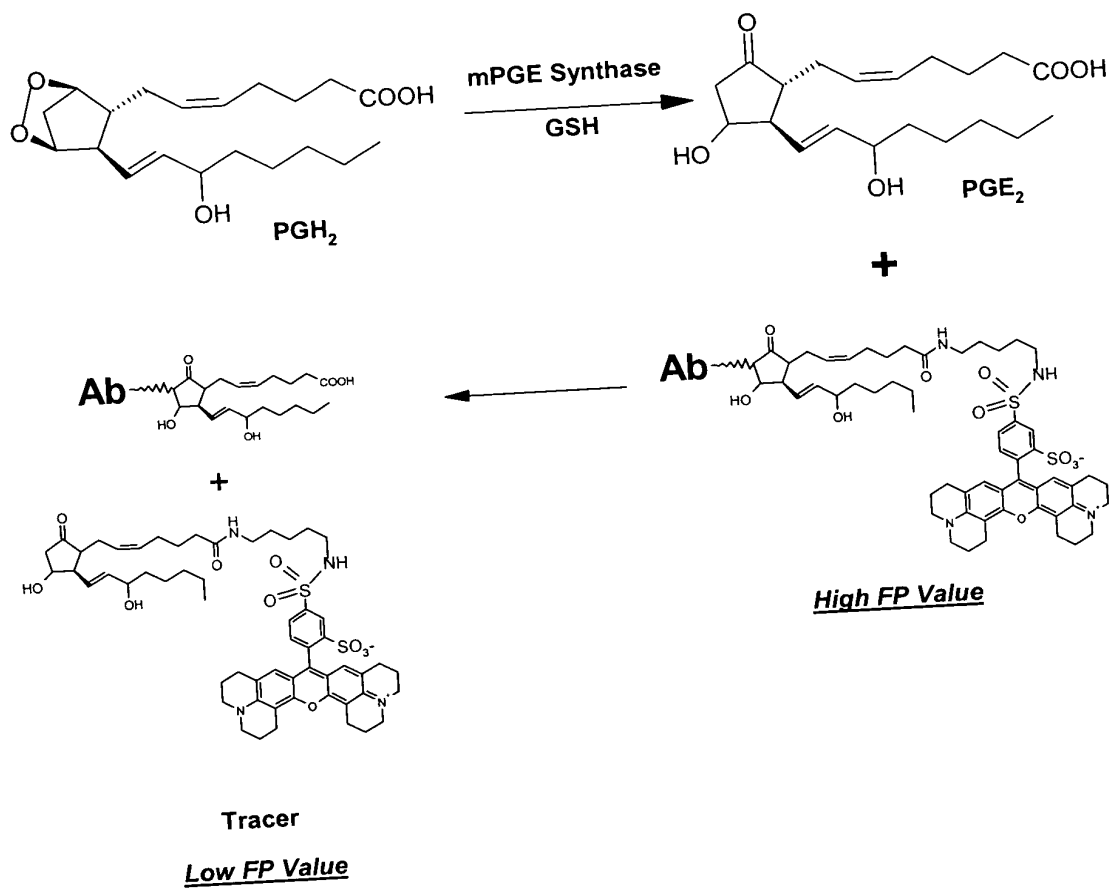
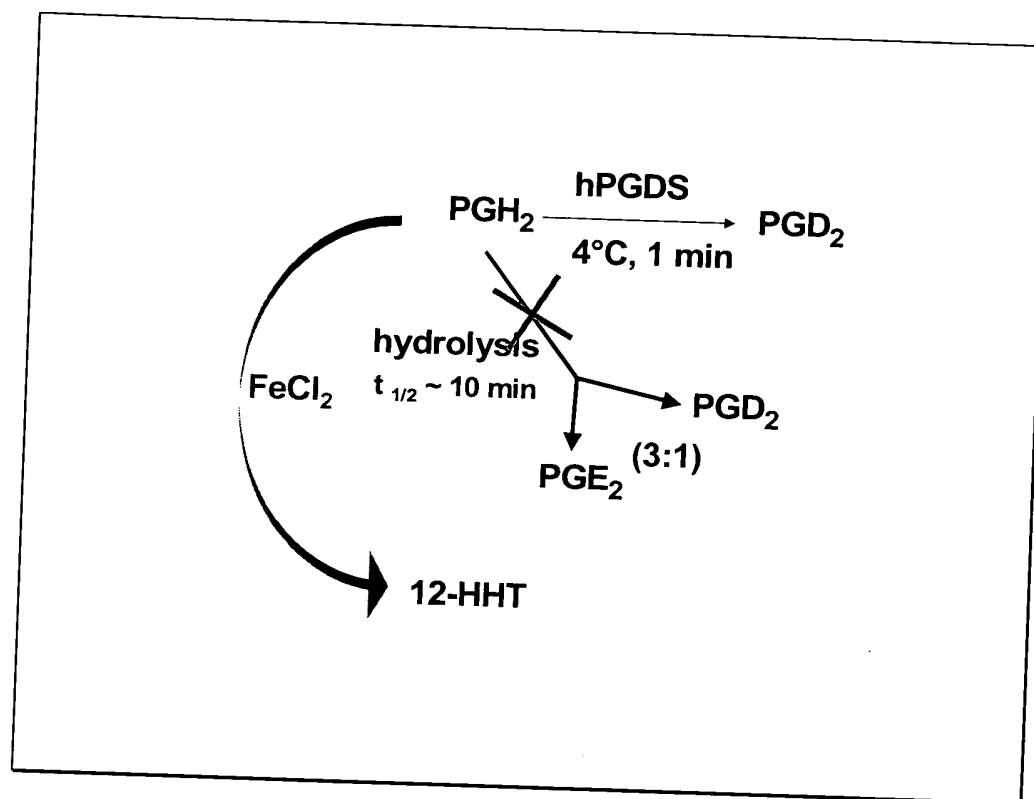


FIGURE 3



**FIGURE 4**

**FP Based hPGD Synthase Assay**

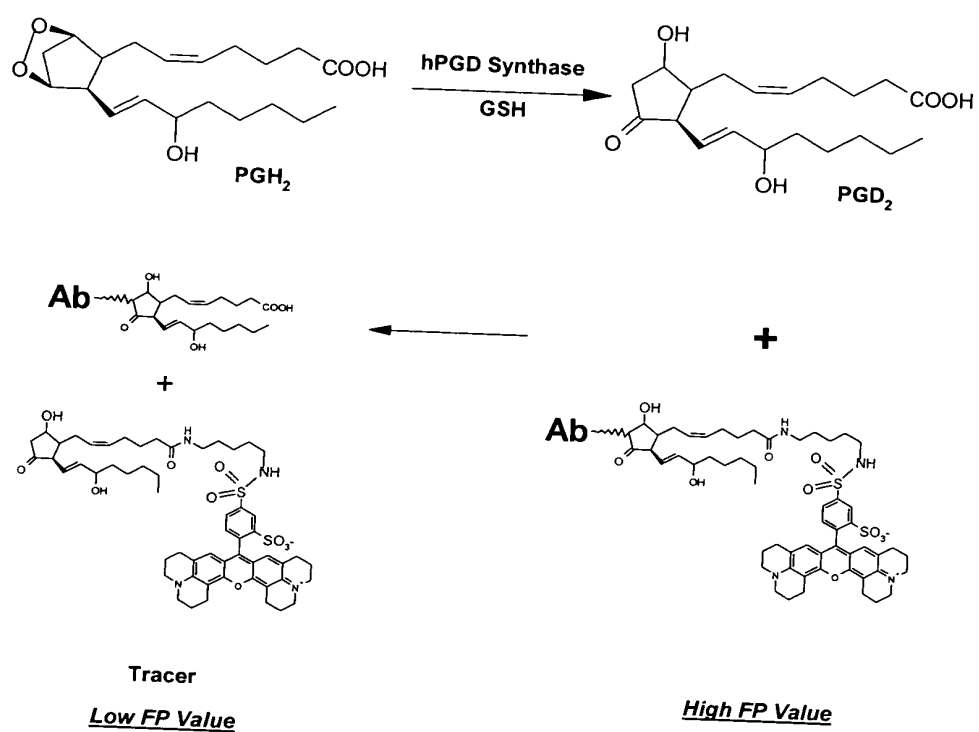


FIGURE 5

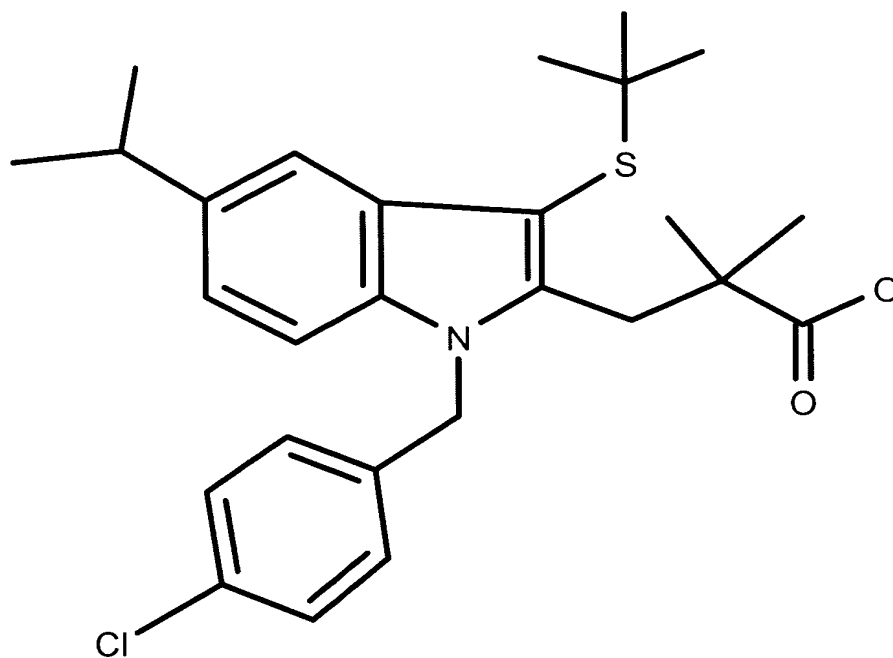
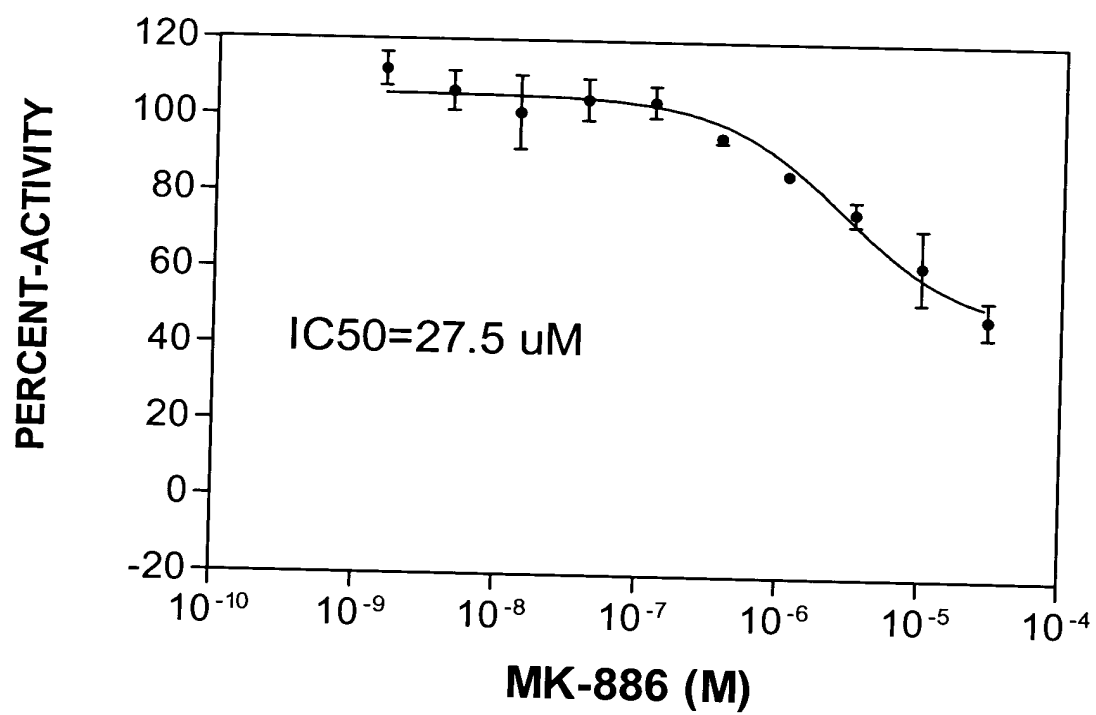


FIGURE 6



**FIGURE 7**

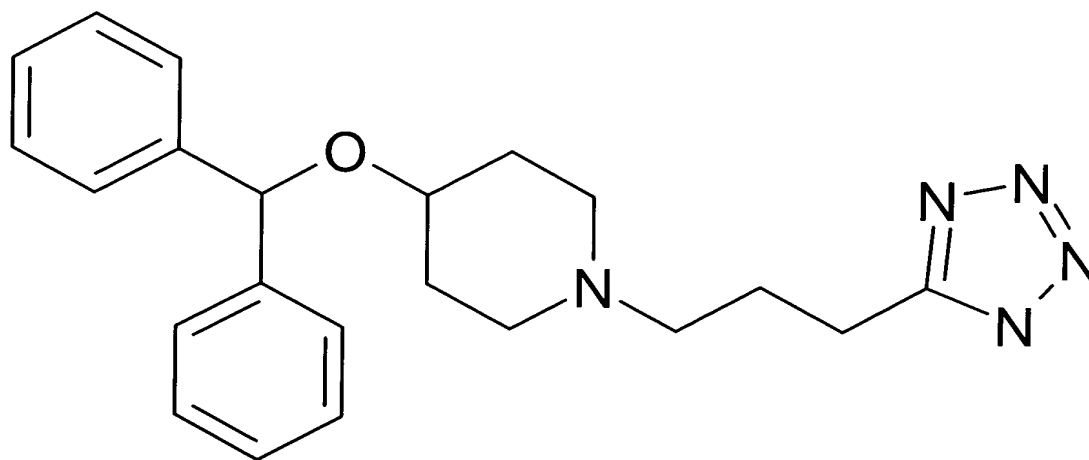
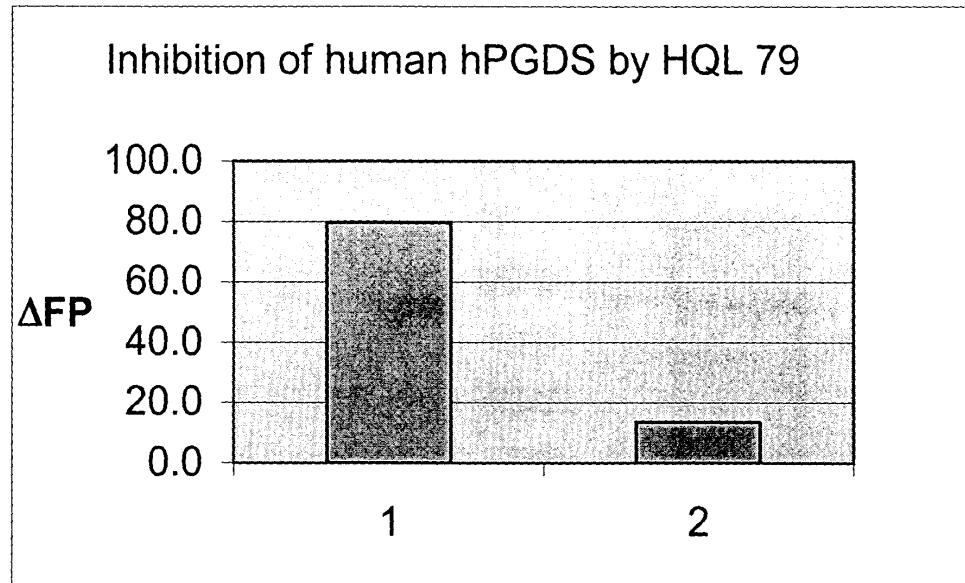


FIGURE 8





## FIGURE 9A

atgcctgcccacagcctggatgatgagcagcccgccctcccggccttctgctctgcagcacgctgct  
ggcatcaagatgtacgtggaggccatcatcacgggccaagtgaggctcggaagaaggccttgcc  
aaccgagggatgccctgagacacggaggccccagattgcaggagcgaccccgacgtggaac  
gctgcctcagggccaccggaacgacatggagaccatctacccttcttctctgggctcgtctactc  
cttctgggtcctaaccctttgtcgctggatgcacttctggtcttctcgtgggccgtgtggcacacacc  
gtggcctacctggggaagctgcgggcacccatccgctccgtgacctacaccctggccagctccct  
gcgcctccatggctctgcagatcctctgggaagcgcccgccacctgtga

## FIGURE 9B

MPAHS LVMSSPALPAFLLCSTLLVIKMYVVAIITGQVRLRKAF  
ANPEDALRHGGPQYCRSDPDVERCLRAHRNDMETIYPFLFLG  
FVYSFLGPNPFVAWMHFLVFLVGRVAHTVAYLGKLRAPIRSVT  
YTLAQLPCASMALQILWEAARHL

## FIGURE 10A

atgccaaactacaaactcactatTTTaatatgagggggagagcagaaattattcgttacatattgctt  
attggacatacagtatgaagaccacagaatagaacaagctgactggcctgaaatcaaactc  
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gatattgacaaaaacacagattggctggaaacacagaaatggaacaatgtcatgttgatgctatt  
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gagagaatggcttattggttaactctgtaacttgggcagacttctactgggagattgcagtaccacactt  
ttggtctttaagcctgacctgttagacaaccatccaaggctgggtgacttacggaagaaagtccaagcc  
a ttctgccgtcgtactggataaaacgaaggccccaaccaaactctag

## FIGURE 10B

MPNYKLTYFNMRGRAEIIRYIFAYLDIQYEDHRIEQADWPEIKSTLPFGKIP  
ILEVDGLTLHQSLAIARYLTKNTDLAGNTEMEQCHVDAIVDTLDDFMSCF  
PWAEEKQDVKEQMFNELLTYNAPHLMQDLDTYLGGREWLIGNSVTWAD  
FYWEICSTTLLVFKPDLLDNHPRLVTLRKKVQAIPAVANWIKRRPQTKL